

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/676572	US-PGPUB; USPAT	OR	ON	2007/04/13 10:55
S2	7	((("5,745,699") or ("4,661,902") or ("5,884,322") or ("5,388,213") or ("5,282,270") or ("5,150,464") or ("4,689,786"))).PN.	USPAT; USOCR	OR	OFF	2007/04/13 12:19
S15	35	Teodosiu.in.	US-PGPUB	OR	ON	2007/04/13 12:26
S16	904	yoshimura.in.	US-PGPUB	OR	ON	2007/04/13 12:44
S17	4	((("6978299") or ("6487594") or ("6944183") or ("6484203"))).PN.	USPAT; USOCR	OR	OFF	2007/04/13 14:50
S18	60	(request\$ or collect\$ or retriev\$) near5 (resource or service) adj (record or information).ab.	USPAT	OR	ON	2007/04/13 14:58
S19	2	S18 and ((invalidat\$ or "not valid" or incorrect or "not correct" or old or expir\$) with (resource or service) adj (record or information))	USPAT	OR	ON	2007/04/13 14:58
S20	1861	(request\$ or collect\$ or retriev\$) near5 (resource or service) adj (record or information)	USPAT	OR	ON	2007/04/13 14:58
S21	20	S20 and ((invalidat\$ or "not valid" or incorrect or "not correct" or old or expir\$) with (resource or service) adj (record or information))	USPAT	OR	ON	2007/11/18 14:00
S22	10869	709/200,203,220-223,227- 228.ccls.	USPAT	OR	ON	2007/11/18 13:59
S23	17899	(server or proxy or host) with (connect\$ or communicat\$) with (service or resource)	USPAT	OR	ON	2007/04/13 18:15
S24	204	S23 same successful	USPAT	OR	ON	2007/04/13 18:16
S25	13	S23 same wait near3 response	USPAT	OR	ON	2007/04/13 18:17

S26	75	("5642515").URFN.	USPAT	OR	ON	2007/04/15 13:36
S27	117788	(request\$ or quer\$ or retriev\$) with (resource information)	USPAT	OR	ON	2007/04/15 13:37
S28	81	(request\$ or quer\$ or retriev\$) with (resource adj record)	USPAT	OR	ON	2007/04/15 13:42
S29	3	S28 same (invalid\$ or valid \$ or expir\$)	USPAT	OR	ON	2007/04/15 13:43
S30	358	(request\$ or quer\$ or retriev\$) with (resource adj information)	USPAT	OR	ON	2007/04/15 13:42
S31	17	S30 same (invalid\$ or valid \$ or expir\$)	USPAT	OR	ON	2007/04/15 13:43
S32	43	("20010037462"   "20020145748"   "5287194"   "5450571"   "5559933"   "5625757"   "5633932"   "5727135"   "5727156"   "5799206"   "5802260"   "5881213"   "5898823"   "5978560"   "5982994"   "5987224"   "5995723"   "6003069"   "6006281"   "6012083"   "6023684"   "6043898"   "6043909"   "6094679"   "6125372"   "6240456"   "6288790"   "6298445"   "6307640"   "6327045"   "6334142"   "6337745"   "6351317"   "6378070"   "6385728"   "6405178"   "6449663"   "6452691"   "6466328"   "6490052"   "6615234"   "6623527"   "6711677").PN.	US-PGPUB; USPAT; USOOCR	OR	ON	2007/04/16 11:02
S33	0	(upgrad\$ or edit\$) near4 resource adj record.ab.	USPAT	OR	ON	2007/04/16 11:03
S34	0	(upgrad\$ or edit\$) with resource adj record.ab.	USPAT	OR	ON	2007/04/16 11:03
S35	2	(upgrad\$ or edit\$) with resource adj record	USPAT	OR	ON	2007/04/16 11:04
S36	2	invalidat\$ with resource adj record	USPAT	OR	ON	2007/04/16 11:09
S37	23	(inquir\$ or verif\$ or valida \$ or quer\$ or authenticat \$) near5 resource adj record	USPAT	OR	ON	2007/04/16 12:19

S38	1713	(response same (request or query) same (predetermined or pre-determined) adj time)	USPAT	OR	ON	2007/04/16 12:20
S39	1837	((response or reply) same (request or query) same (predetermined or pre-determined) adj time)	USPAT	OR	ON	2007/04/16 12:20
S40	23	S39 same (invalid\$ or "not valid")	USPAT	OR	ON	2007/04/16 12:30
S41	0	S39 same (retriev\$ near5 resource adj (record or information))	USPAT	OR	ON	2007/04/16 12:32
S42	0	S39 same (retriv\$ near5 resource adj (record or information))	USPAT	OR	ON	2007/04/16 12:33
S43	0	S39 and (retriv\$ near5 resource adj (record or information))	USPAT	OR	ON	2007/04/16 12:33
S44	0	S39 and (retriv\$ near5 resource adj (record or information))	USPAT	OR	ON	2007/04/16 12:53
S45	1	S39 and (retriev\$ near5 resource adj (record or information))	USPAT	OR	ON	2007/04/16 13:11
S46	25	(retriev\$ same (valid\$ or invalidat\$) same resource adj (record or information))	USPAT	OR	ON	2007/04/17 11:09
S47	18	S46 same (predetermined or pre-determined)	USPAT	OR	ON	2007/04/16 13:15
S48	0	S46 same (predetermined or pre-determined)	US-PGPUB	OR	ON	2007/04/16 13:14
S49	24	(retriev\$ same (valid\$ or invalidat\$) same resource adj (record or information))	US-PGPUB	OR	ON	2007/04/16 13:14
S50	6	S49 same (predetermined or pre-determined)	US-PGPUB	OR	ON	2007/04/16 13:15
S51	195690	upnp protocol	USPAT	OR	ON	2007/04/17 11:10
S52	27	upnp adj protocol	USPAT	OR	ON	2007/04/17 11:10
S53	21	S52 and peer-to-peer or "peer to peer"	USPAT	OR	ON	2007/04/17 11:10
S54	21	S52 and (peer-to-peer or "peer to peer")	USPAT	OR	ON	2007/04/17 11:10
S55	38	(validat\$ or verify\$) with record with cache	USPAT	OR	ON	2007/06/08 10:26

S56	1	(validat\$ or verify\$) with record with cache.ab.	USPAT	OR	ON	2007/06/08 10:27
S57	1	(validat\$ or verify\$) with resource with record with cache	USPAT	OR	ON	2007/06/08 10:27
S58	6	("4914571"   "5109483"   "5185860"   "5222242"   "5224205"   "5282270"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/08 11:37
S59	68	("5511208").URPN.	USPAT	OR	ON	2007/06/08 14:42
S60	4	resource adj record same (cache or memory) same (expir\$ or invalid\$)	USPAT	OR	ON	2007/06/08 14:45
S61	6	resource adj record same (cache or memory) same (expir\$ or invalid\$ or valid\$)	USPAT	OR	ON	2007/06/08 14:45
S62	0	S60 not S61	USPAT	OR	ON	2007/06/08 14:45
S63	2	S61 not S60	USPAT	OR	ON	2007/06/08 14:45
S64	240	((ping or heartbeat or quer\$4) near7 (valid\$ or invalidat\$)) near6 (destination or address or ip or host or server or url or mac)	USPAT	OR	ON	2007/06/12 13:12
S65	28691	(delet\$ or discar\$ or remov\$) near6 (destination or address or ip or host or server or url or mac or network adj address)	USPAT	OR	ON	2007/06/12 13:03
S66	3	S64 same S65	USPAT	OR	ON	2007/06/12 13:01
S67	58	S64 and S65	USPAT	OR	ON	2007/06/12 13:02
S68	50905	(delet\$ or discar\$ or remov\$ or updat\$) near6 (destination or address or ip or host or server or url or mac or network adj address)	USPAT	OR	ON	2007/06/12 13:13
S69	141	S64 and S68	USPAT	OR	ON	2007/06/12 13:04
S70	29	S64 same S68	USPAT	OR	ON	2007/06/12 13:04

S71	277	((ping or heartbeat or quer\$4) near7 (valid\$ or invalidat\$)) near6 (destination or address or ip or host or server or url or mac or target)	USPAT	OR	ON	2007/06/12 13:12
S72	61982	(delet\$ or discard\$ or remov\$ or updat\$) near6 (destination or address or ip or host or server or url or mac or network adj address or link)	USPAT	OR	ON	2007/06/12 13:14
S73	33	S71 same S72	USPAT	OR	ON	2007/06/12 15:08
S74	4	S73 not S70	USPAT	OR	ON	2007/06/12 13:14
S75	34	(*5581704*).URPN.	USPAT	OR	ON	2007/06/12 13:20
S76	161	S71 and S72	USPAT	OR	ON	2007/06/12 15:08
S77	69	S76 and ("709"/\$.ccls. or "370"/\$.ccls.)	USPAT	OR	ON	2007/06/12 15:09
S78	61	S76 and "709"/\$.ccls.	USPAT	OR	ON	2007/06/12 15:25
S79	1	(*6976071*).PN.	USPAT; USOCR	OR	OFF	2007/06/12 15:25
S80	1	(*5642515*).PN.	USPAT; USOCR	OR	OFF	2007/06/12 17:04
S81	6651	709/213-214,217-219. ccls.	USPAT	OR	ON	2007/06/21 15:23
S82	5072	707/10.ccls.	USPAT	OR	ON	2007/06/21 15:24
S83	58593	cach\$3	USPAT	OR	ON	2007/06/21 15:24
S84	2889	invalidat\$3 with (entries, record, content)	USPAT	OR	ON	2007/06/22 17:02
S85	287974	predetermined near2 (time, interval, period)	USPAT	OR	ON	2007/06/22 17:01
S86	3	S83 same S84 same S85	USPAT	OR	ON	2007/06/21 16:05
S87	25	S84 same S85	USPAT	OR	ON	2007/06/21 15:28
S88	258	S83 and S84 and S85	USPAT	OR	ON	2007/06/21 16:05
S89	10693	S81 or S82	USPAT	OR	ON	2007/06/21 16:05
S90	21	S88 and S89	USPAT	OR	ON	2007/06/21 16:07
S91	7	S90 and (ip or internet or network) adj address	USPAT	OR	ON	2007/06/21 16:07

S92	1	("5642515").PN.	USPAT; USOCR	OR	OFF	2007/06/22 15:40
S93	148695	predetermined near2 (time, interval, period)	US-PGPUB	OR	ON	2007/06/22 16:32
S94	1897	invalidat\$3 with (entries, record, content)	US-PGPUB	OR	ON	2007/06/22 16:33
S95	31	S93 same S94	US-PGPUB	OR	ON	2007/06/22 16:33
S96	291802	(predetermined or pre- determined) near2 (time, interval, period)	USPAT	OR	ON	2007/06/22 17:08
S97	6468	invalidat\$3 with (entries, record, content or cach or data)	USPAT	OR	ON	2007/06/22 17:05
S98	110	S96 same S97	USPAT	OR	ON	2007/06/22 17:02
S99	2689	invalidat\$3 with (entries, record, content)	USPAT	OR	ON	2007/06/22 17:03
S100	267974	predetermined near2 (time, interval, period)	USPAT	OR	ON	2007/06/22 17:03
S101	25	S99 same S100	USPAT	OR	ON	2007/06/22 17:03
S102	85	S98 not S101	USPAT	OR	ON	2007/06/22 17:03
S103	3425	invalidat\$3 with (entries, record, content or cach)	USPAT	OR	ON	2007/06/22 17:10
S104	27	S100 same S103	USPAT	OR	ON	2007/06/22 17:06
S105	2	S104 not S101	USPAT	OR	ON	2007/06/22 17:08
S106	14523	(predetermined or pre- determined) near2 (time, interval, period) with response with query invalidat\$	USPAT	OR	ON	2007/06/22 17:12
S107	13	S103 with S100	USPAT	OR	ON	2007/06/22 17:10
S108	4351	S106 same cach\$3	USPAT	OR	ON	2007/06/22 17:11
S109	0	(predetermined or pre- determined) near2 (time, interval, period) with response with query with invalidat\$	USPAT	OR	ON	2007/06/22 17:12
S110	0	(predetermined or pre- determined) near2 (time, interval, period) same response same query same invalidat\$	USPAT	OR	ON	2007/06/22 17:13

S111	3	(predetermined or pre-determined) near2 (time, interval, period) same query same invalidat\$	USPAT	OR	ON	2007/06/22 17:13
S112	6	(predetermined or pre-determined) near2 (time, interval, period) same query same invalidat\$	US-PGPUB	OR	ON	2007/06/22 17:15
S113	40	(predetermined or pre-determined) near2 (time, interval, period) same response same invalidat\$	US-PGPUB	OR	ON	2007/06/22 17:15
S114	15	S113 same cach\$	US-PGPUB	OR	ON	2007/06/22 17:15
S115	57	(predetermined or pre-determined) near2 (time, interval, period) same response same invalidat\$	USPAT	OR	ON	2007/06/22 17:16
S116	13	S115 same cach\$	USPAT	OR	ON	2007/06/22 17:16
S117	81934	(service or address or resource or device or unit) near4 record	US-PGPUB; USPAT	OR	ON	2007/07/20 15:22
S118	179787	(service or address or resource or device or unit) near4 record	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/20 15:22
S119	812	S118 near4 cache	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/20 15:22
S120	11893	(delet\$4 or invalid\$6) near4 record	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/20 15:23
S121	28	S119 same S120	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/20 15:23
S122	215178	response near6 (received or receiving)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/20 15:23

S123	15316	S122 near5 (time or interval)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/20 15:24
S124	3490	record near5 cache	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/20 15:24
S125	84001	S117 or S124	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/20 15:24
S126	49	S123 same S125	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/20 19:54
S127	1	("20030074461").FN.	US-PGPUB; USPAT	OR	OFF	2007/07/20 15:26
S128	8	((("20030074461") or ("20040009769") or ("20020112068") or ("7209736") or ("7006836") or ("6321263") or ("6175832") or ("5729689")).FN.	US-PGPUB; USPAT	OR	OFF	2007/07/20 15:28
S129	0	("20040064693").FN.	USPAT; USOCR	OR	OFF	2007/07/20 19:54
S130	1	("20040064693").FN.	US-PGPUB	OR	OFF	2007/07/20 19:55
S131	1	("20020023143").FN.	US-PGPUB	OR	OFF	2007/07/20 19:56
S132	151641	(resource or service or device) near3 (record or information or list)	USPAT	OR	ON	2007/11/18 11:34
S133	2275575	(invalidat\$ or validat\$ or disabl\$4 or delet\$ or remov\$ or eras\$)	USPAT	OR	ON	2007/11/18 11:36
S134	14992	S132 same S133	USPAT	OR	ON	2007/11/18 11:36
S135	24051	(response or reply) with (pre-determined or predetermined or certain or given or fixed) adj2 time	USPAT	OR	ON	2007/11/18 11:38



S136	22	S134 same S135	USPAT	OR	ON	2007/11/18 11:38
S137	13	("20020116533"   "20020156875"   "20020184357"   "20030018712"   "20030163702"   "5469575"   "5553240"   "5944783"   "5960404"   "6016316"   "6041343"   "6098091"   "6216162"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/18 12:23
S138	1	("7206841").PN.	USPAT; USOCR	OR	OFF	2007/11/18 12:23
S139	12001	709/200,203,220-223,227- 228.ccls.	USPAT	OR	ON	2007/11/18 13:59
S140	2033	(request\$ or collect\$ or retriev\$) near5 (resource or service) adj (record or information)	USPAT	OR	ON	2007/11/18 14:00
S141	21	S140 and ((invalid\$ or "not valid" or incorrect or "not correct" or old or expir\$) with (resource or service) adj (record or information))	USPAT	OR	ON	2007/11/18 14:00
S142	1	("20020184357").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/02 17:10
S143	0	S142 and (invalidat\$ same query)	USPAT	OR	OFF	2008/06/02 17:10
S144	1	S142 and (invalidat\$ same query)	US-PGPUB; USPAT	OR	OFF	2008/06/02 17:11
S145	25426	709/200,203,220-223,227- 228.ccls.	US-PGPUB; USPAT	OR	ON	2008/06/02 19:06
S146	27	S145 and (request\$ or collect\$ or retriev\$) near5 (resource or service) adj (record or information). ab.	US-PGPUB; USPAT	OR	ON	2008/06/02 19:07
S147	1	("20020184357").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/10 20:06
S148	1	S147 and (advertisement same (invalid\$ or delet\$))	US-PGPUB; USPAT	OR	ON	2008/11/10 20:07
S149	0	resource adj (record or data or entry) with (invalid \$ or delet\$)	US-PGPUB; USPAT	OR	ON	2008/11/10 20:12
S150	148	resource adj (record or data or entry) with (invalid \$ or delet\$)	US-PGPUB; USPAT	OR	ON	2008/11/10 20:12
S151	3	S150 same child	US-PGPUB; USPAT	OR	ON	2008/11/10 20:13

S152	112390	(record or data or entry) with (invalid\$ or delet\$)	US-PGPUB; USPAT	OR	ON	2008/11/10 20:14
S153	1172	S152 same child	US-PGPUB; USPAT	OR	ON	2008/11/10 20:14
S154	39	S153 same resource	US-PGPUB; USPAT	OR	ON	2008/11/10 20:14
S155	13	invalid\$ with child near2 (record or data)	USPAT	OR	ON	2008/11/10 20:22
S156	13	invalid\$ with child near2 (record or data)	US-PGPUB	OR	ON	2008/11/10 20:25
S157	27	invalid\$ with child near2 (record or data)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/10 20:30
S158	1	S157 not (S155 or S156)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/10 20:30
S159	2694715	child (record or data or entry)	US-PGPUB; USPAT	OR	ON	2008/11/10 20:33
S160	1398	child adj (record or data or entry)	US-PGPUB; USPAT	OR	ON	2008/11/10 20:33
S161	9	child adj (record or data or entry) with invalidat\$	USPAT	OR	ON	2008/11/10 20:33
S162	9	child adj (record or data or entry) with (invalidat\$ or nullif\$)	USPAT	OR	ON	2008/11/10 20:36
S163	3	child adj (record or data or entry) with (invalidat\$ or nullif\$)	US-PGPUB	OR	ON	2008/11/10 20:39
S164	14	child adj (record or data or entry) with (invalidat\$ or nullif\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/10 20:39
S165	0	descendant adj (record or data or entry) with (invalidat\$ or nullif\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/10 20:42
S166	26	dependent adj (record or data or entry) with (invalidat\$ or nullif\$)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/10 20:42

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